

Amendments to the Claims:

This listing of the claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. **(Original)** A cutting arrangement which is disposed on a distance of travel of a web of corrugated board (1) that is continuously produced by a corrugating machine, the cutting arrangement comprising:
 - a. a blade shaft (32) which is mounted ~~for drivable rotation about~~ on a blade-shaft axis of rotation (31) ~~for drivable rotation~~ and which ~~has comprises~~ at least one circular blade (34) thereon; and
 - b. a brush roll (16; 16a; 16d) which is disposed opposite to the blade shaft (32) and mounted ~~for rotation about~~ a brush-roll axis of rotation (15) ~~for rotation~~, supporting the web of corrugated board (1)[,] which passes between the circular blade (34) ~~shaft~~ (32) and the brush roll (16; 16a; 16d)[,] when the web of corrugated board (1) is cut by the at least one circular blade (34);
 - c. the brush roll (16; 16a; 16d) ~~possessing comprising~~ shells (37; 37a; 37b; 37c; 37d) which are disposed on a roll core (17; 17a; 17d) and have a cross-sectional shape of a segment of a circle and which have
 - i. an outside (39) and an inside (40), the inside (40) that is turned faces towards the roll core (17; 17a; 17d);
 - ii. bristles which stand out from the outside (39);

iii. torque-transmission means (44, 45, 46; 52, 54; 75) for transmitting torque from the roll core (17; 17a; 17d) to the shells (37; 37a; 37b; 37c; 37d); and

iv. fastening means (49, 51; 75) for fixing the shells (37; 37a; 37b; 37c; 37d) to the roll core (17; 17a);

d. wherein holes (44, 46; 69, 72) are provided in the roll core (17; 17d) and on the inside (40) of the shells (37; 37d), respectively accommodating a fastening pin (45; 75) for non-rotary connection of the shell (37; 37d) with the roll core (17; 17d); and

e. wherein fastening pin (75) comprises two threaded portions (76, 77) of different pitches.

2. **(Withdrawn)** A cutting arrangement according to claim 1, wherein the shells (37; 37a; 37b; 37c; 37d) are half-shells.

3. **(Withdrawn)** A cutting arrangement according to claim 1, wherein the shells (37; 37a; 37b; 37c; 37d) form a closed brush sleeve (38; 38a) on the roll core (17; 17a).

4. **(Currently Amended)** A cutting arrangement according to claim 1, wherein annular ribs (42; 42a; 42d) are provided on the roll core (17; 17a; 17d), which and the annular ribs (42; 42a; 42d) project radially at least along part of the a periphery of the roll core (17; 17a; 17d).

5. **(Currently Amended)** A cutting arrangement according to claim 4, wherein ring grooves (43; 53; 43d) are provided on the inside (40) of the shells (37; 37a; 37b; 37c; 37d), which and the ring grooves (43; 53; 43d) cooperate with the ribs (42; 42a; 42d) for at least one of fixing the shells (37; 37a; 37b; 37c; 37d) axially and/or for and fixing the shells (37; 37a; 37b; 37c; 37d) tangentially.

6. (**Cancelled**)

7. (**Previously Presented**) A cutting arrangement according to claim 1, wherein a first shell (37) comprises a first fastening means and a second shell (37) comprises a second fastening means for connection of the first shell (37) with the second shell (37) on the roll core (17).

8. (**Withdrawn**) A cutting arrangement according to claim 1, wherein in the vicinity of the axial or tangential ends of the shells (37c; 37d), the bunches of bristles (61c, 62c, 65) incline towards the respective end, in particular combining with a radius to make an angle of $b > 0^\circ$.

9. (**Withdrawn**) A cutting arrangement according to claim 1, wherein two adjacent shells (37b) interengage in the way of fingers in the vicinity of their respective tangential ends.

10. (**Cancelled**)

11. (**Currently Amended**) A shell for use in a cutting arrangement according to claim 1 for being fixed to a roll core (17; 17a; 17d), the shell comprising:

- a. a basic structure (57; 57a) having a in the cross-sectional shape of a segment of a circle;
- b. an outside (39) and an inside (40);
- c. bristles which project outwards from the outside (40);
- d. torque-transmission means (44, 45, 46; 52, 54; 75) for transmitting torque from the roll core (17; 17a; 17d) to the basic structure (57; 57a); **and**

- e. fastening means (49, 51; 75) for fixing the basic structure (57; 57a) to the roll core (17; 17a; 17d), wherein the fastening means is a fastening pin (75) comprising two threaded portions (76, 77) of different pitches; and
- f. receiving means (70, 72) as through holes comprising two threaded portions (73, 74) of different pitches for associating with the fastening pin (75).

12. (**Previously Presented**) A cutting arrangement according to claim 4, wherein ring grooves (43; 53; 43d) are provided on the inside (40) of the shells (37; 37a; 37b; 37c; 37d), ring grooves (43; 53; 43d) which cooperate with the ribs (42; 42a; 42d) for fixing the shells (37; 37a; 37b; 37c; 37d) tangentially.

13. (**New**) A cutting arrangement which is disposed on a distance of travel of a web of corrugated board (1) that is continuously produced by a corrugating machine, the cutting arrangement comprising:

- a. a blade shaft (32) which is mounted on a blade-shaft axis of rotation (31) for drivable rotation and which comprises at least one circular blade (34) thereon; and
- b. a brush roll (16; 16a; 16d) which is disposed opposite to the blade shaft (32) and mounted on a brush-roll axis of rotation (15) for rotation, supporting the web of corrugated board (1) which passes between the circular blade (34) and the brush roll (16; 16a; 16d) when the web of corrugated board (1) is cut by the at least one circular blade (34);
- c. the brush roll (16; 16a; 16d) comprising shells (37; 37a; 37b; 37c; 37d) which are disposed on a roll core (17; 17a; 17d) and have a cross-sectional shape of a segment of a circle and which have

- i. an outside (39) and an inside (40), the inside (40) faces towards the roll core (17; 17a; 17d);
 - ii. bristles which stand out from the outside (39);
 - iii. torque-transmission means (44, 45, 46; 52, 54; 75) for transmitting torque from the roll core (17; 17a; 17d) to the shells (37; 37a; 37b; 37c; 37d); and
 - iv. fastening means (49, 51; 75) for fixing the shells (37; 37a; 37b; 37c; 37d) to the roll core (17; 17a);
- d. wherein the fastening means are joining plates (49), each comprising holes (50) for receiving securing pins (51); and
- e. wherein the joining plates (49) are inserted in slits (47) of each shell (37; 37a).